



**Centro de Investigação em Matemática e Aplicações
Departamento de Matemática**

Seminário

**3 de Março de 2011, Quinta-feira
CLAV – Anf. 1 - 14:00 horas**

Stability of the Steiner symmetrization of convex sets

Filippo Cagnetti

IST, Lisboa

Resumo

The goal of the talk is the study of the isoperimetric inequality for the Steiner symmetrization in any codimension. First, we give a characterization of the cases of equality. Then, we prove a quantitative version of the inequality, in the case of convex sets.

This is a joint work with Marco Barchiesi and Nicola Fusco.